

Forecast of connection point maximum demands

Customer forecasts of connection point peaks

Tables C.1 to C.18 show 10-year forecasts of summer and winter native demand at connection point peak, for high, medium and low growth scenarios (refer to Appendix C.2). These forecasts have been supplied by Powerlink customers.

The connection point reactive power (MVAR) forecast includes the customer's downstream capacitive compensation.

Groupings of some connection points are used to protect the confidentiality of specific customer loads.

In tables C.1 to C.18 the zones in which connection points are located are abbreviated as follows:

FN	Far North zone
R	Ross zone
NW	North West zone
N	North zone
CW	Central West zone
G	Gladstone zone
WB	Wide Bay zone
S	Surat zone
B	Bulli zone
SW	South West zone
M	Moreton zone
GC	Gold Coast zone

Table C.1 Ergon connection point forecast of summer high growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	31	5	32	5	32	6	33	6	33	6	33	6	34	6	34	6	35	6	35	6
Alligator Creek (Louisa Creek)	132	N	37	10	38	11	39	11	39	11	40	11	40	11	40	11	41	11	41	11	41	12
Alligator Creek	33	N	30	7	30	7	31	7	31	7	31	8	32	8	32	8	33	8	33	8	34	8
Biloela	66	CW	34	-1	35	-1	35	-1	35	-1	36	-1	36	-1	36	-1	36	0	37	0	37	0
Blackwater	132	CW	26	-8	26	-8	27	-8	27	-8	27	-8	27	-8	27	-8	27	-8	28	-8	28	-8
Blackwater	66	CW	104	11	106	11	107	11	108	11	108	11	109	11	110	12	111	12	111	12	112	12
Bowen North	66	N	32	6	32	6	33	6	33	7	34	7	34	7	35	7	35	7	36	7	36	7
Bull Creek (Waggamba)	132	B	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6
Cairns	22	FN	63	5	64	5	65	5	65	5	66	5	67	5	67	5	68	6	70	6	71	6
Cairns City	132	FN	52	-1	53	-1	53	-1	53	-1	53	-1	53	-1	53	-1	53	-1	54	-1	54	-1
Calliope River	132	G	58	-4	60	-4	61	-4	62	-4	63	-4	64	-4	65	-4	65	-4	66	-4	68	-4
Cardwell	22	R	5	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2
Chinchilla	132	S	22	4	22	4	22	4	23	4	23	4	23	4	23	5	24	5	24	5	24	5
Clare South	66	R	83	24	84	24	101	30	102	30	102	30	103	31	103	31	104	31	104	31	105	31
Collinsville North	33	N	18	-6	18	-6	17	-6	17	-6	17	-6	17	-6	17	-6	17	-6	17	-6	17	-6
Columboola	132	S	104	3	106	4	108	4	109	5	110	5	111	5	112	6	112	6	113	6	114	6
Dan Gleeson	66	R	109	4	112	4	114	4	116	4	117	4	119	4	121	5	123	5	125	5	127	5
Dysart	66	CW	48	8	59	9	60	9	76	10	76	10	77	10	77	10	78	10	78	10	79	10
Edmonton	22	FN	54	-5	55	-5	57	-5	58	-5	60	-5	62	-5	64	-5	66	-5	68	-5	70	-6
Egans Hill	66	CW	62	5	63	5	64	5	65	5	66	5	67	5	68	5	69	5	70	5	72	5
El Arish	22	FN	6	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0

Table C.1 Ergon connection point forecast of summer high growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	104	8	107	8	110	9	112	9	115	9	118	9	121	9	125	9	128	10	131	10
Gin Gin	132	WB	178	7	182	9	185	10	187	10	189	11	192	12	195	13	198	14	201	15	204	16
Gladstone South	66	G	45	14	46	15	47	15	48	15	48	15	49	16	51	16	52	17	53	17	54	18
Ingham	66	R	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1	22	-1
Innisfail	22	FN	29	2	30	2	31	2	31	2	31	2	32	2	32	2	32	2	33	2	33	2
Kamerunga	22	FN	66	0	68	0	70	1	71	1	73	1	74	2	76	2	78	2	80	3	81	3
Lilyvale (Barcaldine and Clermont)	132	CW	43	-8	44	-8	45	-8	45	-8	45	-8	45	-8	46	-8	46	-8	46	-8	47	-8
Lilyvale	66	CW	166	44	168	44	169	44	170	44	170	45	171	45	171	45	172	45	173	45	173	45
Mackay	33	N	92	0	93	0	94	0	95	0	96	-1	97	-1	98	-1	99	-1	101	-2	103	-2
Middle Ridge	110	SW	246	32	252	34	264	38	268	39	272	40	277	41	281	43	286	44	292	46	297	48
Middle Ridge (Postmans Ridge)	110	M	13	2	13	2	14	2	14	2	14	2	15	2	15	2	15	2	15	2	16	3
Moranbah (Broadlea)	132	N	56	25	57	25	58	26	58	26	58	26	59	27	59	27	59	27	60	27	60	28
Moranbah	66 and 11	N	138	52	140	53	143	54	144	54	145	54	146	55	148	55	149	55	151	56	152	56
Moura	66	CW	70	23	72	24	73	24	73	24	74	24	74	25	75	25	75	25	76	25	77	26
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	4	0	4	0	4	0	4	0
Newlands	66	N	30	4	30	4	31	4	31	4	31	4	31	4	32	4	32	4	32	4	32	4
Oakey	110	SW	21	5	21	5	21	5	22	5	22	5	22	6	22	6	22	6	22	6	23	6
Pandoin	66	CW	45	1	47	1	47	1	48	1	49	1	49	1	50	1	51	1	51	1	52	1
Pioneer Valley	66	N	78	12	81	13	83	14	84	14	86	15	88	15	91	16	93	17	95	18	98	18
Proserpine	66	N	62	10	64	10	65	11	66	11	67	11	67	12	68	12	69	12	71	12	72	13

Table C.1 Ergon connection point forecast of summer high growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r
Rockhampton	66	CW	107	6	109	6	112	6	113	6	115	6	118	6	120	7	122	7	125	7	128	7
Ross (Kidston, Millchester and Georgetown)	132	R	54	-13	55	-13	55	-13	54	-13	54	-13	54	-13	54	-13	54	-13	54	-13	55	-13
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	32	3	33	3	33	4	33	4	34	4	34	4	34	4	35	4	35	4	35	4
Tarong	66	SW	53	12	54	13	55	13	55	13	56	13	57	14	57	14	58	14	59	15	59	15
Teebar Creek (Isis and Maryborough)	132	WB	152	45	155	47	158	49	160	49	163	51	165	52	168	53	171	55	175	56	178	58
Townsville East	66	R	38	11	39	11	40	11	40	11	40	11	41	11	41	12	42	12	42	12	43	12
Townsville South	66	R	98	18	101	19	103	20	104	20	106	21	108	21	110	22	112	22	114	23	116	24
Tully	22	R	17	1	18	1	18	1	18	1	18	1	19	1	19	1	19	1	19	1	19	1
Turkinje (Craiglie and Lakeland)	132	FN	24	-13	25	-13	25	-13	26	-13	26	-13	26	-13	27	-13	27	-12	27	-12	28	-12
Turkinje	66	FN	70	0	72	0	73	0	74	0	75	1	76	1	77	1	78	1	79	1	81	2
Woolooga (Kilkivan)	132	WB	17	0	18	0	18	0	18	0	18	0	18	0	19	0	19	0	19	1	20	1
Woree (Cairns North)	132	FN	55	-2	57	-2	58	-2	59	-1	60	-1	62	-1	63	-1	64	0	66	0	67	0
Yarwun (Boat Creek)	132	G	50	23	51	23	52	24	53	25	54	25	54	26	55	26	56	26	57	27	57	28
Hail Creek and King Creek	Various	N	42	8	43	8	43	8	43	8	44	8	44	8	44	8	44	8	45	8	45	8
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223	16	223	16	223	16
Mica Creek 132kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	3	73	3	73	3

Table C.2 Ergon connection point forecast of summer medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	31	5	32	5	32	5	32	5	32	5	32	5	32	5	32	5	32	6	33	6
Alligator Creek (Louisa Creek)	132	N	37	10	38	10	38	11	38	11	38	11	38	11	39	11	39	11	39	11	39	11
Alligator Creek	33	N	29	7	30	7	30	7	30	7	30	7	30	7	31	7	31	7	31	7	31	8
Biloela	66	CW	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1
Blackwater	132	CW	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8
Blackwater	66	CW	103	11	104	11	105	11	105	11	105	11	105	11	105	11	105	11	105	11	105	11
Bowen North	66	N	31	6	32	6	32	6	32	6	33	6	33	6	33	6	33	6	33	6	33	7
Bull Creek (Waggamba)	132	B	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6	21	-6
Cairns	22	FN	63	5	63	5	63	5	63	5	63	5	63	5	64	5	64	5	64	5	65	5
Cairns City	132	FN	52	-1	52	-1	52	-1	51	-1	51	-1	51	-1	51	-1	51	-1	51	-1	51	-1
Calliope River	132	G	58	-4	59	-4	60	-4	60	-4	61	-4	61	-4	62	-4	62	-4	62	-4	63	-4
Cardwell	22	R	5	1	5	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2
Chinchilla	132	S	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	23	4
Clare South	66	R	82	24	83	24	99	29	99	29	99	29	99	29	99	29	99	29	99	29	99	100
Collinsville North	33	N	17	-6	17	-6	17	-6	17	-6	17	-6	17	-5	16	-5	16	-5	16	-5	16	-5
Columboola	132	S	102	2	104	3	106	4	106	4	107	4	107	4	106	4	106	4	106	4	106	4
Dan Gleeson	66	R	108	4	110	4	111	4	111	4	112	4	113	4	114	4	114	4	115	4	116	4
Dysart	66	CW	48	8	58	9	59	9	75	10	75	10	75	10	75	10	75	10	75	10	75	10
Edmonton	22	FN	53	-5	54	-5	55	-5	56	-5	58	-5	59	-5	60	-5	60	-5	62	-5	63	-5
Egans Hill	66	CW	61	5	62	5	63	5	63	5	63	5	64	5	64	5	64	5	65	5	65	5
ElArish	22	FN	6	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0	7	0

Table C.2 Ergon connection point forecast of summer medium growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	103	8	105	8	107	8	108	8	110	9	112	9	114	9	116	9	118	9	120	9
Gin Gin	132	WB	176	7	179	8	180	8	181	9	182	9	183	9	184	10	186	10	188	11	190	11
Gladstone South	66	G	44	14	45	14	46	14	46	15	46	15	47	15	48	15	48	15	49	16	50	16
Ingham	66	R	22	-1	22	-1	22	-1	22	-1	21	-1	21	-1	21	-1	21	-1	21	-1	21	-1
Innisfail	22	FN	29	2	30	2	30	2	30	2	30	2	30	2	30	2	30	2	31	2	31	2
Kamerunga	22	FN	65	0	67	0	68	0	68	0	69	1	70	1	71	1	73	1	74	1	75	2
Lilyvale (Barcaldine and Clermont)	132	CW	43	-8	44	-8	44	-8	44	-8	44	-8	44	-8	43	-8	43	-8	43	-8	43	-8
Lilyvale	66	CW	165	44	166	44	166	44	166	44	165	44	165	44	165	44	164	44	164	44	164	44
Mackay	33	N	91	0	92	0	92	0	92	0	92	0	93	0	93	0	94	0	94	0	96	-1
Middle Ridge	110	SW	245	32	248	33	258	36	260	36	262	37	264	38	267	38	270	39	273	40	277	41
Middle Ridge (Postmans Ridge)	110	M	13	2	13	2	14	2	14	2	14	2	14	2	14	2	14	2	14	2	15	2
Moranbah (Broadlea)	132	N	55	24	56	25	56	25	56	25	56	25	56	25	56	25	56	25	56	25	56	25
Moranbah	66 and 11	N	137	52	139	53	141	53	141	53	141	53	142	53	142	53	142	53	143	54	143	54
Moura	66	CW	70	23	71	23	71	23	71	23	72	24	72	24	72	24	72	24	72	24	72	24
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	29	4	30	4	30	4	30	4	30	4	30	4	30	4	30	4	30	4	30	4
Oakey	110	SW	21	5	21	5	21	5	21	5	21	5	21	5	21	5	21	5	21	5	21	5
Pandoin	66	CW	45	1	46	1	46	1	47	1	47	1	47	1	48	1	48	1	48	1	49	1
Pioneer Valley	66	N	78	12	79	13	81	13	82	13	83	14	84	14	85	14	87	15	88	15	90	16
Proserpine	66	N	62	10	63	10	63	10	64	10	64	11	65	11	65	11	66	11	66	11	67	11

Table C.2 Ergon connection point forecast of summer medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Rockhampton	66	CW	106	6	108	6	109	6	110	6	111	6	113	6	114	6	116	6	117	6	119	7
Ross (Kidston, Millichester and Georgetown)	132	R	54	-13	54	-13	54	-13	53	-13	53	-13	52	-13	52	-13	52	-13	52	-13	51	-13
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	32	3	32	3	32	3	32	3	32	3	33	3	33	3	33	3	33	3	33	3
Tarong	66	SW	53	12	53	12	54	13	54	13	54	13	54	13	55	13	55	13	55	13	56	13
Teabar Creek (Igis and Maryborough)	132	WB	152	46	155	47	156	48	157	48	158	48	159	49	160	49	162	50	164	51	166	52
Townsville East	66	R	38	11	38	11	39	11	39	11	39	11	39	11	39	11	39	11	39	11	40	11
Townsville South	66	R	98	18	99	19	100	19	101	19	102	20	103	20	104	20	105	21	107	21	108	21
Tully	22	R	17	1	18	1	18	1	18	1	18	1	18	1	18	1	18	1	18	1	18	1
Turkinje (Craiglie and Lakeland)	132	FN	24	-13	24	-13	25	-13	25	-13	25	-13	25	-13	25	-13	25	-13	26	-13	26	-13
Turkinje	66	FN	70	0	71	0	71	0	72	0	72	0	73	0	73	0	74	0	74	1	75	1
Woolooga (Kilkivan)	132	WB	17	0	17	0	17	0	17	0	18	0	18	0	18	0	18	0	18	0	18	0
Woree (Cairns North)	132	FN	54	-2	56	-2	56	-2	57	-2	57	-2	58	-2	59	-1	60	-1	61	-1	62	-1
Yarwun (Boat Creek)	132	G	50	22	51	23	51	23	52	24	52	24	52	24	53	24	53	24	53	25	54	25
Hail Creek and King Creek	Various	N	42	8	42	8	42	8	42	8	42	8	42	8	42	8	42	8	42	8	42	8
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	14	220	14	220	14
Mica Creek 132 kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	3	70	3	70	3

Table C.3 Ergon connection point forecast of summer low growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	31	5	31	5	31	5	31	5	31	5	31	5	31	5	31	5	31	5	31	5
Alligator Creek (Louisa Creek)	132	N	37	10	37	10	38	10	38	10	38	10	38	10	38	10	37	10	37	10	37	10
Alligator Creek	33	N	29	7	30	7	30	7	30	7	30	7	30	7	30	7	30	7	30	7	30	7
Biloela	66	CW	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	33	-1	33	-1	33	-2	33	-2
Blackwater	132	CW	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	26	-8	25	-8	25	-8	25	-8
Blackwater	66	CW	102	11	104	11	104	11	103	11	103	11	103	11	103	11	102	11	102	11	101	11
Bowen North	66	N	31	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6	32	6
Bull Creek (Waggamba)	132	B	20	-6	20	-6	21	-6	20	-6	20	-6	20	-6	20	-6	20	-6	20	-6	20	-6
Cairns	22	FN	63	5	63	5	63	5	63	5	62	5	62	5	62	5	62	5	62	5	62	5
Cairns City	132	FN	51	-1	52	-1	52	-1	51	-1	51	-1	50	-1	50	-1	50	-1	50	-1	50	-1
Calliope River	132	G	58	-4	59	-4	59	-4	59	-4	60	-4	60	-4	60	-4	60	-4	60	-4	60	-4
Cardwell	22	R	5	1	5	2	6	2	6	2	6	2	5	2	5	2	5	2	5	2	5	2
Chinchilla	132	S	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4	22	4
Clare South	66	R	82	23	82	24	99	29	98	29	98	29	98	29	97	29	97	29	97	28	96	28
Collinsville North	33	N	17	-6	17	-6	17	-6	17	-6	17	-5	16	-5	16	-5	16	-5	16	-5	16	-5
Columboola	132	S	101	2	103	3	104	3	104	3	104	3	103	3	102	3	102	2	101	2	100	2
Dan Gleeson	66	R	108	4	109	4	110	4	110	4	110	4	110	4	110	4	110	4	111	4	111	4
Dysart	66	CW	48	8	58	9	58	9	74	10	74	10	74	10	74	10	74	10	74	10	74	10
Edmonton	22	FN	53	-5	54	-5	55	-5	55	-5	56	-5	57	-5	58	-5	58	-5	59	-5	61	-5
Egans Hill	66	CW	61	5	62	5	62	5	62	5	62	5	62	5	62	5	61	5	62	5	62	5
El Arish	22	FN	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0	6	0

Table C.3 Ergon connection point forecast of summer low growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	103	8	105	8	106	8	107	8	107	8	108	8	109	9	110	9	111	9	112	9
Gin Gin	132	WB	175	7	178	7	179	8	179	8	178	8	178	8	178	8	178	8	179	8	180	8
Gladstone South	66	G	44	14	45	14	45	14	45	14	45	14	45	14	45	14	46	15	46	15	47	15
Ingham	66	R	22	-1	22	-1	22	-1	21	-1	21	-1	21	-1	21	-1	20	-1	20	-1	20	-1
Innisfail	22	FN	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2	29	2
Kamerunga	22	FN	66	0	67	0	67	0	68	0	68	0	68	0	69	0	69	1	70	1	70	1
Lilyvale (Barcaldine and Clermont)	132	CW	43	-8	43	-8	43	-8	43	-8	43	-8	43	-8	42	-9	42	-9	42	-9	42	-9
Lilyvale	66	CW	164	44	165	44	165	44	164	44	163	44	162	44	160	43	159	43	159	43	158	43
Mackay	33	N	91	0	92	0	91	0	91	0	91	0	91	0	90	0	90	0	90	0	91	0
Middle Ridge	110	SW	243	31	246	32	255	35	256	35	256	35	256	35	256	35	257	35	258	36	260	36
Middle Ridge (Postmans Ridge)	110	M	13	2	13	2	13	2	13	2	13	2	13	2	13	2	14	2	14	2	14	2
Moranbah (Broadlea)	132	N	55	24	56	24	56	25	56	24	56	24	55	24	55	24	55	24	55	23	54	23
Moranbah	66 and 11	N	136	52	138	52	139	53	139	53	139	52	138	52	138	52	138	52	138	52	138	52
Moura	66	CW	70	23	70	23	71	23	71	23	71	23	70	23	70	23	70	23	70	23	70	23
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	29	4	30	4	30	4	30	4	30	4	30	4	30	4	29	4	29	4	29	4
Oakey	110	SW	20	5	21	5	21	5	21	5	21	5	20	5	20	5	20	5	20	5	20	5
Pandoin	66	CW	45	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1	46	1
Pioneer Valley	66	N	78	12	79	12	80	13	81	13	81	13	82	13	82	13	83	14	84	14	85	14
Proserpine	66	N	62	10	62	10	63	10	63	10	63	10	63	10	63	10	64	10	64	11	64	11

Table C.3 Ergon connection point forecast of summer low growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	
Rockhampton	66	CW	106	6	107	6	108	6	109	6	109	6	109	6	110	6	110	6	111	6	112	6	
Ross (Kidston, Millichester and Georgetown)	132	R	53	-13	54	-13	53	-13	52	-13	52	-13	51	-13	51	-13	50	-13	50	-13	49	-13	
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	2	-1	
Tangkam	110	SW	32	3	32	3	32	3	32	3	32	3	32	3	32	3	32	3	31	3	31	3	
Tarong	66	SW	52	12	53	12	53	12	53	12	53	12	53	12	53	12	53	12	53	12	53	12	
Teabar Creek (Iris and Maryborough)	132	WB	150	45	153	46	154	46	154	46	154	47	154	47	154	47	154	47	155	47	156	47	
Townsville East	66	R	38	11	38	11	38	11	38	11	38	11	38	11	38	11	38	11	38	11	38	11	
Townsville South	66	R	97	18	98	19	99	19	100	19	100	19	101	19	101	19	102	19	102	20	103	20	
Tully	22	R	17	1	18	1	18	1	18	1	17	1	17	1	17	1	17	1	17	1	17	1	
Turkinje (Craiglie and Lakeland)	132	FN	24	-13	24	-13	24	-13	24	-13	24	-13	24	-13	24	-13	24	-13	25	-13	25	-13	
Turkinje	66	FN	70	0	70	0	71	0	71	0	71	0	71	0	71	0	71	0	71	0	71	0	
Woolooga (Kilkivan)	132	WB	17	0	17	0	17	0	17	0	17	0	17	0	17	0	17	0	17	0	17	0	
Woree (Cairns North)	132	FN	54	-2	55	-2	56	-2	56	-2	56	-2	56	-2	56	-2	56	-2	57	-2	57	-2	
Yarwun (Boat Creek)	132	G	50	22	50	23	51	23	51	23	51	23	51	23	51	23	51	23	51	23	51	23	
Hail Creek and King Creek	Various	N	41	8	42	8	42	8	42	8	41	8	41	8	41	8	41	8	40	8	40	8	
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	217	13	217	12	217	12
Mica Creek 132 kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	3	68	3	68	3

Table C.4 Ergon connection point forecast of winter high growth native maximum demand

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	19	2	19	2	20	2	20	3	20	3	20	3	21	3	21	3	22	3	22	3
Alligator Creek (Louisa Creek)	132	N	37	10	38	11	39	11	39	11	39	11	40	11	40	11	40	11	41	11	41	12
Alligator Creek	33	N	21	4	21	4	21	4	22	4	22	4	22	4	23	4	23	4	23	5	23	5
Biloela	66	CW	30	-2	31	-2	31	-2	31	-2	31	-2	31	-2	32	-2	32	-2	32	-2	32	-2
Blackwater	132	CW	24	-8	24	-8	25	-8	25	-8	25	-8	25	-8	25	-8	25	-8	26	-8	26	-8
Blackwater	66	CW	98	11	100	11	100	11	101	11	102	11	102	11	103	11	104	11	105	11	105	11
Bowen North	66	N	26	4	26	4	27	4	27	4	27	5	28	5	28	5	29	5	29	5	29	5
Bull Creek (Waggamba)	132	B	25	-5	25	-5	25	-5	25	-4	25	-4	25	-4	25	-4	25	-4	26	-4	26	-4
Cairns	22	FN	41	2	41	2	41	2	41	2	42	2	42	2	43	2	44	2	45	3	46	3
Cairns City	132	FN	34	-1	35	-1	35	-1	35	-1	35	-1	35	-1	36	-1	36	-1	36	-1	37	-1
Calliope River	132	G	48	-4	50	-4	50	-4	51	-4	52	-4	53	-4	53	-4	54	-4	55	-4	56	-4
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
Chinchilla	132	S	16	2	17	2	17	2	17	2	17	2	17	2	18	2	18	2	18	3	18	3
Clare South	66	R	54	14	72	20	72	20	73	20	73	20	73	21	74	21	74	21	75	21	75	21
Collinsville North	33	N	16	-5	16	-5	16	-5	16	-5	16	-5	16	-5	16	-5	16	-5	16	-5	16	-5
Columboola	132	S	74	-7	75	-7	76	-7	76	-6	76	-6	76	-6	77	-6	77	-6	78	-6	78	-6
Dan Gleeson	66	R	70	2	72	2	73	2	75	2	76	3	77	3	79	3	80	3	82	3	84	3
Dysart	66	CW	55	9	56	9	72	10	73	10	73	10	74	10	74	10	74	10	75	10	75	10
Edmonton	22	FN	32	-5	33	-5	34	-5	35	-5	36	-5	38	-5	39	-5	40	-5	42	-5	44	-5
Egans Hill	66	CW	56	5	57	5	58	5	58	5	59	5	60	5	61	5	62	5	63	5	65	5
ElArish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

Table C.4 Ergon connection point forecast of winter high growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	71	6	73	6	75	6	77	7	79	7	81	7	83	7	86	7	89	7	91	8
Gin Gin	132	WB	143	-4	147	-2	148	-2	150	-1	152	-1	154	0	157	1	159	2	162	2	165	3
Gladstone South	66	G	40	12	41	13	41	13	42	13	43	14	44	14	45	14	46	15	47	15	48	15
Ingham	66	R	15	-2	16	-2	16	-2	16	-2	16	-2	16	-2	16	-2	16	-2	16	-2	16	-2
Innisfail	22	FN	23	2	23	2	23	2	23	2	23	2	23	2	24	2	24	2	24	2	25	2
Kamerunga	22	FN	41	-5	42	-4	43	-4	44	-4	45	-4	47	-3	48	-3	50	-3	51	-3	52	-2
Lilyvale (Barcaldine and Clermont)	132	CW	37	-10	37	-10	37	-10	37	-10	38	-10	38	-10	38	-10	38	-10	38	-9	38	-9
Lilyvale	66	CW	147	42	149	42	149	42	149	42	150	42	150	42	151	42	152	42	153	42	153	43
Mackay	33	N	62	6	64	6	64	5	65	5	66	5	67	5	68	5	70	4	71	4	72	4
Middle Ridge	110	SW	270	39	285	44	288	45	292	46	296	47	300	49	305	50	310	51	315	53	321	55
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	16	2	16	3	16	3	16	3	17	3	17	3
Moranbah (Broadlea)	132	N	54	23	55	24	55	24	56	24	56	25	56	25	57	25	57	25	57	26	58	26
Moranbah	66 and 11	N	139	54	142	55	144	55	145	55	146	56	147	56	149	56	150	57	151	57	153	58
Moura	66	CW	69	22	71	23	71	23	72	24	72	24	73	24	73	24	74	24	74	25	75	25
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	27	4	28	4	28	4	29	4	29	4	29	4	29	4	29	4	30	4	30	4
Oakey	110	SW	20	5	21	5	21	5	21	5	21	5	21	5	21	5	21	5	22	5	22	6
Pandoin	66	CW	44	0	45	0	45	1	46	1	47	1	47	1	48	1	49	1	49	1	50	1
Pioneer Valley	66	N	49	3	50	3	51	4	52	4	54	4	55	5	57	5	59	6	60	7	62	7
Proserpine	66	N	50	6	51	7	52	7	52	7	53	7	54	8	55	8	56	8	56	8	57	9

Table C.4 Ergon connection point forecast of winter high growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Rockhampton	66	CW	93	5	96	5	97	5	99	5	101	5	103	5	105	6	107	6	110	6	112	6
Ross (Kidston, Millicester and Georgetown)	132	R	43	-14	43	-14	43	-14	43	-14	43	-14	43	-14	43	-14	44	-14	44	-14	44	-14
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	33	3	33	4	33	4	34	4	34	4	34	4	34	4	34	4	34	4	35	4
Tarong	66	SW	51	11	52	12	53	12	53	12	54	12	54	13	55	13	56	13	56	14	57	14
Teebar Creek (Igis and Maryborough)	132	WB	143	41	147	43	149	44	151	45	153	46	156	47	158	49	161	50	164	51	167	53
Townsville East	66	R	28	9	29	9	29	9	29	9	30	9	30	9	30	9	30	9	31	9	31	9
Townsville South	66	R	68	9	70	10	71	10	72	11	74	11	75	12	76	12	78	12	79	13	81	13
Tully	22	R	16	0	16	0	16	0	16	0	17	0	17	0	17	1	17	1	17	1	17	1
Turkinje (Craiglie and Lakeland)	132	FN	20	-14	20	-14	20	-14	21	-14	21	-14	21	-14	22	-14	22	-14	22	-14	23	-14
Turkinje	66	FN	62	-1	64	-1	64	-1	65	-1	66	-1	67	-1	68	0	69	0	71	0	72	0
Woolooga (Kilkivan)	132	WB	16	-1	16	-1	16	-1	16	-1	16	-1	17	-1	17	-1	17	0	17	0	18	0
Woree (Cairns North)	132	FN	39	-5	40	-5	41	-5	42	-4	43	-4	44	-4	45	-4	46	-4	48	-3	49	-3
Yarwun (Boat Creek)	132	G	50	22	51	23	52	24	52	24	53	24	54	25	54	25	55	26	56	26	57	27
Hail Creek and King Creek	Various	N	40	8	41	8	41	8	42	8	42	8	42	8	42	8	42	8	43	8	43	8
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	120	12	121	12	121	13	121	13
Mica Creek 132 kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	22	0	22	0	22	0	22	0

Table C.5 Ergon connection point forecast of winter medium growth native maximum demand

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	19	2	19	2	19	2	19	2	19	2	19	2	19	2	20	2	20	3	20	3
Alligator Creek (Louisa Creek)	132	N	37	10	37	10	38	10	38	10	38	10	38	10	38	10	38	10	38	10	38	11
Alligator Creek	33	N	20	4	21	4	21	4	21	4	21	4	21	4	21	4	21	4	21	4	22	4
Biloela	66	CW	30	-3	30	-2	30	-3	30	-3	30	-3	30	-3	30	-3	30	-3	30	-3	30	-2
Blackwater	132	CW	24	-9	24	-8	24	-8	24	-8	24	-8	24	-8	24	-8	24	-8	24	-8	24	-8
Blackwater	66	CW	97	11	98	11	98	11	98	11	98	11	98	11	98	11	98	11	98	11	98	11
Bowen North	66	N	26	4	26	4	26	4	26	4	27	4	27	4	27	4	27	4	27	4	27	5
Bull Creek (Waggamba)	132	B	24	-5	25	-5	25	-5	25	-5	25	-5	25	-5	25	-5	25	-5	25	-5	25	-5
Cairns	22	FN	40	1	40	1	40	1	40	1	40	1	40	1	41	2	41	2	42	2	42	2
Cairns City	132	FN	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1	34	-1
Calliope River	132	G	48	-4	48	-4	49	-4	49	-4	50	-4	50	-4	50	-4	51	-4	51	-4	52	-4
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
Chinchilla	132	S	16	2	16	2	16	2	16	2	16	2	17	2	17	2	17	2	17	2	17	2
Clare South	66	R	54	14	71	20	71	20	71	20	71	20	71	20	71	20	71	20	71	20	72	20
Collinsville North	33	N	16	-5	16	-5	16	-5	16	-5	16	-5	15	-5	15	-4	15	-4	15	-4	15	-4
Columboola	132	S	73	-7	74	-7	73	-7	73	-7	73	-7	73	-7	73	-8	74	-7	74	-7	74	-7
Dan Gleeson	66	R	70	2	71	2	71	2	72	2	72	2	72	2	74	2	75	2	76	3	77	3
Dysart	66	CW	54	9	55	9	71	10	72	10	72	10	72	10	72	10	72	10	72	10	72	10
Edmonton	22	FN	32	-5	33	-5	33	-5	34	-5	35	-5	35	-5	36	-5	38	-5	39	-5	40	-5
Egans Hill	66	CW	55	5	56	5	56	5	56	5	56	5	57	5	57	5	58	5	59	5	60	5
ElArish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

Table C.5 Ergon connection point forecast of winter medium growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	70	6	71	6	72	6	73	6	75	6	76	6	78	7	79	7	81	7	84	7
Gin Gin	132	WB	142	-4	144	-3	145	-3	145	-3	146	-3	147	-2	148	-2	149	-2	151	-1	153	0
Gladstone South	66	G	39	12	40	13	40	13	40	13	41	13	41	13	42	13	42	13	43	14	44	14
Ingham	66	R	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2
Innisfail	22	FN	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	23	2	23	2
Kamerunga	22	FN	40	-5	41	-5	42	-4	42	-4	43	-4	44	-4	44	-4	45	-4	46	-4	48	-3
Lilyvale (Barcaldine and Clermont)	132	CW	36	-10	36	-10	36	-10	36	-10	36	-10	36	-10	36	-10	36	-10	36	-10	36	-10
Lilyvale	66	CW	145	42	146	42	146	42	146	42	145	42	145	41	145	41	144	41	145	41	145	41
Mackay	33	N	62	6	62	6	63	6	63	6	63	6	64	6	64	5	65	5	66	5	67	5
Middle Ridge	110	SW	267	39	279	42	280	43	282	43	284	44	286	44	289	45	291	46	295	47	298	48
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	15	2	15	2	15	2	15	2	16	2	16	3
Moranbah (Broadlea)	132	N	53	23	54	23	54	23	54	23	54	23	54	23	54	23	54	23	54	23	54	23
Moranbah	66 and 11	N	137	53	140	54	140	54	140	54	141	54	141	54	141	54	142	54	142	55	143	55
Moura	66	CW	68	22	69	23	69	23	69	23	70	23	70	23	70	23	70	23	70	23	70	23
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	27	4	28	4	28	4	28	4	28	4	28	4	28	4	28	4	28	4	28	4
Oakey	110	SW	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5
Pandoin	66	CW	43	0	44	0	44	0	45	0	45	1	45	1	45	1	46	1	46	1	47	1
Pioneer Valley	66	N	48	3	49	3	50	3	51	3	51	4	52	4	53	4	55	5	56	5	57	6
Proserpine	66	N	49	6	50	7	50	7	51	7	51	7	52	7	52	7	53	7	53	8	54	8

Table C.5 Ergon connection point forecast of winter medium growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Rockhampton	66	CW	92	5	94	5	95	5	96	5	97	5	98	5	99	5	100	5	102	5	104	5
Ross (Kidston, Millchester and Georgetown)	132	R	42	-14	42	-14	42	-14	42	-14	41	-14	41	-14	41	-14	41	-14	41	-14	41	-14
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1
Tangkam	110	SW	33	3	33	3	33	3	33	3	33	3	33	3	33	3	33	3	33	3	33	3
Tarong	66	SW	51	11	51	11	51	12	52	12	52	12	52	12	52	12	52	12	53	12	53	12
Teebar Creek (Isis and Maryborough)	132	WB	141	41	144	42	144	42	145	42	146	43	148	44	149	44	150	45	152	46	154	47
Townsville East	66	R	28	9	28	9	28	9	28	9	28	9	28	9	28	9	29	9	29	9	29	9
Townsville South	66	R	67	9	69	10	69	10	70	10	70	10	71	10	72	11	73	11	74	11	75	12
Tully	22	R	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0
Turkinje (Craiglie and Lakeland)	132	FN	19	-14	20	-14	20	-14	20	-14	20	-14	20	-14	20	-14	21	-14	21	-14	21	-14
Turkinje	66	FN	62	-1	62	-1	63	-1	63	-1	63	-1	64	-1	64	-1	65	-1	66	-1	67	-1
Woolooga (Kilkivan)	132	WB	15	-1	16	-1	16	-1	16	-1	16	-1	16	-1	16	-1	16	-1	16	-1	16	-1
Woree (Cairns North)	132	FN	38	-5	39	-5	39	-5	40	-5	40	-5	41	-5	41	-4	42	-4	43	-4	44	-4
Yarwun (Boat Creek)	132	G	49	22	50	22	50	23	51	23	51	23	51	23	52	24	52	24	52	24	53	24
Hail Creek and King Creek	Various	N	40	8	40	8	40	8	40	8	40	8	40	8	40	8	40	8	40	8	40	8
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	118	10	117	10	117	10	117	10
Mica Creek 132 kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	22	0	22	0	22	0	22	0

Table C.6 Ergon connection point forecast of winter low growth native maximum demand

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Alan Sherriff	132	R	19	2	19	2	19	2	19	2	18	2	18	2	18	2	18	2	19	2	19	2
Alligator Creek (Louisa Creek)	132	N	37	10	37	10	37	10	37	10	37	10	37	10	37	10	37	10	37	10	37	10
Alligator Creek	33	N	20	4	20	4	20	4	20	4	20	4	20	4	20	4	20	4	21	4	21	4
Biloela	66	CW	30	-3	30	-3	30	-3	30	-3	29	-3	29	-3	29	-3	29	-3	29	-3	29	-3
Blackwater	132	CW	24	-8	24	-8	24	-8	24	-8	24	-8	24	-9	23	-9	23	-9	23	-9	23	-9
Blackwater	66	CW	96	11	97	11	97	11	97	11	97	11	96	11	96	11	95	11	95	11	95	11
Bowen North	66	N	25	4	26	4	26	4	26	4	26	4	26	4	26	4	26	4	26	4	26	4
Bull Creek (Waggamba)	132	B	24	-5	24	-5	24	-5	24	-5	24	-5	24	-5	24	-5	24	-5	24	-5	24	-5
Cairns	22	FN	40	1	40	1	40	1	39	1	39	1	39	1	39	1	39	1	39	1	40	1
Cairns City	132	FN	34	-1	34	-1	34	-1	34	-1	33	-1	33	-1	33	-1	33	-1	33	-1	33	-1
Calliope River	132	G	48	-4	48	-4	48	-4	49	-4	49	-4	49	-4	49	-4	49	-4	49	-4	49	-4
Cardwell	22	R	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
Chinchilla	132	S	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2
Clare South	66	R	54	14	71	20	71	20	70	20	70	19	70	19	70	19	69	19	69	19	69	19
Collinsville North	33	N	16	-5	16	-5	16	-5	16	-5	15	-5	15	-4	15	-4	15	-4	15	-4	15	-4
Columboola	132	S	75	-7	75	-7	74	-7	74	-7	73	-8	72	-8	71	-8	71	-8	70	-8	69	-9
Dan Gleeson	66	R	69	2	70	2	70	2	70	2	70	2	70	2	71	2	71	2	72	2	72	2
Dysart	66	CW	54	9	55	9	71	10	71	10	71	10	71	10	71	10	70	10	70	10	70	10
Edmonton	22	FN	31	-5	32	-5	33	-5	33	-5	33	-5	34	-5	34	-5	34	-5	35	-5	36	-5
Egans Hill	66	CW	55	5	55	5	55	5	55	5	55	5	55	5	55	5	55	5	55	5	56	5
El Arish	22	FN	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

Table C.6 Ergon connection point forecast of winter low growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Garbutt	66	R	69	6	70	6	71	6	72	6	72	6	73	6	73	6	74	6	76	6	77	7
Gin Gin	132	WB	141	-4	143	-4	143	-4	143	-4	143	-4	143	-4	143	-4	143	-4	143	-4	144	-3
Gladstone South	66	G	39	12	40	13	40	13	40	13	40	13	40	13	40	13	41	13	41	13	41	13
Ingham	66	R	15	-2	15	-2	15	-2	15	-2	15	-2	15	-2	14	-2	14	-2	14	-2	14	-2
Innisfail	22	FN	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
Kamerunga	22	FN	40	-5	41	-5	41	-5	41	-5	41	-4	42	-4	42	-4	42	-4	43	-4	44	-4
Lilyvale (Barcaldine and Clermont)	132	CW	36	-10	36	-10	36	-10	36	-10	36	-10	35	-10	35	-10	35	-10	35	-10	34	-10
Lilyvale	66	CW	144	41	145	41	144	41	143	41	142	41	141	41	141	41	140	41	140	41	139	41
Mackay	33	N	61	6	62	6	62	6	62	6	62	6	62	6	62	6	62	6	62	6	63	6
Middle Ridge	110	SW	266	38	277	41	278	42	278	42	278	42	278	42	278	42	278	42	279	42	281	43
Middle Ridge (Postmans Ridge)	110	M	14	2	15	2	15	2	15	2	15	2	15	2	15	2	15	2	15	2	15	2
Moranbah (Broadlea)	132	N	53	23	54	23	54	23	54	23	53	22	53	22	53	22	53	22	52	22	52	22
Moranbah	66 and 11	N	136	53	138	53	138	54	138	54	138	53	138	53	138	53	137	53	137	53	137	53
Moura	66	CW	68	22	69	22	69	22	69	22	69	22	68	22	68	22	68	22	68	22	68	22
Nebo	11	N	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0
Newlands	66	N	27	4	27	4	27	4	27	4	27	4	27	4	27	4	27	4	27	4	27	4
Oakey	110	SW	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5	20	5
Pandoin	66	CW	43	0	44	0	44	0	44	0	44	0	44	0	44	0	44	0	44	0	44	0
Pioneer Valley	66	N	48	3	49	3	49	3	50	3	50	3	51	3	51	3	51	4	52	4	53	4
Proserpine	66	N	49	6	50	6	50	7	50	7	50	7	50	7	50	7	51	7	51	7	51	7

Table C.6 Ergon connection point forecast of winter low growth native maximum demand (continued)

Connection point	Voltage (kV)	Zone	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Rockhampton	66	CW	91	5	93	5	93	5	94	5	94	5	95	5	95	5	96	5	97	5	98	5
Ross (Kidston, Millichester and Georgetown)	132	R	42	-14	42	-14	41	-14	41	-14	41	-14	40	-14	40	-14	39	-14	39	-15	39	-15
Stony Creek	132	N	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	3	-1	2	-1	2	-1
Tangkam	110	SW	33	3	33	3	33	3	32	3	32	3	32	3	32	3	31	3	31	3	31	3
Tarong	66	SW	50	11	51	11	51	11	51	11	51	11	51	11	51	11	51	11	51	11	51	11
Teabar Creek (Igis and Maryborough)	132	WB	141	40	143	41	143	41	143	42	143	42	144	42	144	42	144	42	145	42	145	42
Townsville East	66	R	28	9	28	9	28	9	28	9	28	9	28	9	28	9	28	9	28	9	28	9
Townsville South	66	R	67	9	68	10	69	10	69	10	69	10	70	10	70	10	70	10	71	10	71	10
Tully	22	R	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0	16	0
Turkinje (Craiglie and Lakeland)	132	FN	19	-14	20	-14	20	-14	20	-14	20	-14	20	-14	20	-14	20	-14	20	-14	20	-14
Turkinje	66	FN	61	-2	62	-1	62	-1	62	-1	62	-1	62	-1	62	-1	62	-1	62	-1	63	-1
Woolooga (Kilkivan)	132	WB	15	-1	15	-1	15	-1	15	-1	15	-1	15	-1	15	-1	15	-1	15	-1	15	-1
Woree (Cairns North)	132	FN	38	-5	39	-5	39	-5	39	-5	39	-5	39	-5	39	-5	40	-5	40	-5	41	-5
Yarwun (Boat Creek)	132	G	49	22	49	22	50	22	50	22	50	22	50	22	50	22	50	22	50	23	50	23
Hail Creek and King Creek	Various	N	40	8	40	8	40	8	40	8	40	8	39	8	39	8	39	8	39	8	38	8
Mica Creek 220kV TCP	220	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mica Creek 132 kV TCP	132	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table C.7 Energex connection point forecast of summer high growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Abermain	110	M	98	2	101	2	103	2	104	1	106	1	108	1	110	1	112	1	114	1	116	0
Abermain	33	M	109	15	111	16	119	17	122	17	125	18	128	18	131	19	135	20	139	20	144	21
Algester	33	M	76	18	78	19	80	20	81	21	83	21	85	22	86	23	88	24	90	25	91	25
Ashgrove West	110	M	115	4	117	4	118	4	118	4	119	4	119	4	120	4	122	5	123	5	124	5
Ashgrove West	33	M	78	11	81	12	83	13	85	14	87	15	89	16	91	17	93	17	95	18	97	19
Belmont	110	M	393	56	402	59	409	62	416	64	423	67	431	69	440	72	448	75	457	78	465	81
Blackstone (Raceview)	110	M	117	12	121	12	124	13	126	13	130	13	133	14	137	14	141	15	147	16	152	16
Bundamba	110	M	37	13	38	13	38	13	39	14	39	14	40	14	40	14	41	14	42	15	42	15
Goodna	33	M	148	-4	158	-5	162	-5	166	-6	170	-6	175	-6	179	-7	183	-7	188	-8	193	-8
Loganlea	110	M	453	134	468	142	481	149	492	155	504	162	517	169	530	176	543	183	556	190	569	197
Loganlea	33	M	104	0	107	-1	108	-1	110	-1	113	-2	115	-2	117	-2	120	-3	123	-3	126	-4
Middle Ridge (Postmans Ridge and Gatton)	110	M	100	-8	102	-8	104	-7	105	-7	106	-7	107	-7	108	-7	110	-7	111	-6	113	-6
Molendinar	110	GC	581	-46	599	-48	616	-49	629	-51	644	-52	659	-53	673	-54	688	-56	704	-57	720	-59
Mudgeeraba	110	GC	353	66	360	68	368	70	375	72	381	74	388	76	395	79	404	81	412	84	420	86
Mudgeeraba	33	GC	24	5	25	5	26	5	26	5	27	6	28	6	29	6	30	7	30	7	31	7
Murarrie	110	M	524	65	535	67	543	68	548	69	555	69	561	70	568	71	575	72	583	74	591	75
Palmwoods	110 and 132	M	458	93	474	97	489	100	500	103	513	106	526	109	540	112	554	115	568	119	583	122
Redbank Plains	11	M	33	2	34	2	35	2	35	2	36	2	37	2	38	2	39	3	41	3	42	3
Richlands	33	M	138	31	140	32	142	32	144	33	145	34	147	34	149	35	151	36	153	37	156	37
Rocklea	110	M	146	41	150	43	153	45	155	46	157	47	160	49	163	50	166	52	169	54	172	55

Table C.7 Energex connection point forecast of summer high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	69	6	70	6	72	6	73	7	75	7	77	8	79	8	80	9	82	9	83	9
South Pine	110	M	1,088	107	1,124	115	1,161	123	1,188	129	1,217	136	1,248	142	1,279	149	1,311	156	1,341	163	1,371	169
Sumner	110	M	34	9	35	10	35	10	36	10	37	11	38	11	38	11	39	12	40	12	41	12
Tennyson	33	M	191	6	196	6	201	7	205	7	210	7	214	7	219	7	223	7	227	7	230	8
Wecker Road	33	M	133	22	137	23	140	24	142	25	146	26	149	27	152	29	155	30	158	31	161	32
Woolooga (Gympie)	132	M	236	-42	240	-43	242	-44	244	-44	245	-44	248	-45	251	-45	255	-46	258	-47	262	-48

Table C.8 Energex connection point forecast of summer medium growth native maximum demand

Connection point	Voltage Zone (kV)	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		
		MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	
Abermain	110	M	97	2	99	2	100	2	101	2	102	2	103	2	104	2	105	1	106	1	107	1
Abermain	33	M	108	15	110	15	117	16	118	17	120	17	122	17	124	18	127	18	130	19	134	19
Algerter	33	M	75	18	77	19	78	19	78	19	79	20	80	20	81	20	82	21	83	21	83	22
Ashgrove West	110	M	115	4	116	4	116	4	115	4	114	4	114	4	115	4	115	4	116	4	117	4
Ashgrove West	33	M	78	11	79	12	80	12	80	12	81	13	82	13	83	14	85	14	86	15	88	15
Belmont	110	M	390	55	396	57	398	58	400	59	403	60	407	61	412	63	418	65	424	67	430	69
Blackstone (Raceview)	110	M	117	12	119	12	121	12	123	13	125	13	128	13	130	13	134	14	138	14	142	15
Bundamba	110	M	36	13	37	13	38	13	38	13	38	13	38	13	38	13	39	14	39	14	39	14
Goodna	33	M	147	-4	156	-5	158	-5	161	-5	163	-5	166	-6	169	-6	172	-6	176	-7	179	-7
Loganlea	110	M	450	132	461	138	469	143	476	146	483	150	492	155	501	160	510	165	519	170	529	175
Loganlea	33	M	104	0	106	0	107	-1	107	-1	109	-1	110	-1	111	-1	113	-2	115	-2	117	-2
Middle Ridge (Postmans Ridge and Gattton)	110	M	99	-8	101	-8	101	-8	102	-8	102	-7	103	-7	103	-7	104	-7	105	-7	105	-7
Molendinar	110	GC	578	-46	591	-47	601	-48	609	-49	616	-49	625	-50	635	-51	645	-52	655	-53	664	-54
Mudgeeraba	110	GC	351	65	356	67	359	68	362	68	365	69	369	71	373	72	377	73	383	75	388	76
Mudgeeraba	33	GC	24	5	24	5	25	5	25	5	26	5	26	5	27	6	27	6	28	6	29	6
Murarrie	110	M	519	64	527	65	530	66	532	66	533	66	535	67	538	67	542	68	545	68	549	69
Palmwoods	110 and 132	M	454	93	466	95	475	97	482	99	490	101	499	103	508	105	518	107	528	109	539	112
Redbank Plains	11	M	32	2	33	2	34	2	34	2	35	2	35	2	36	2	37	2	38	2	39	3
Richlands	33	M	137	31	138	31	139	31	139	31	140	32	141	32	142	32	143	33	144	33	145	34
Rocklea	110	M	145	40	148	42	149	43	150	43	151	44	152	45	154	46	156	47	158	48	160	49

Table C.8 Energex connection point forecast of summer medium growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	68	5	69	6	69	6	70	6	71	6	72	6	73	7	74	7	75	7	76	7
South Pine	110	M	1,078	105	1,102	110	1,127	116	1,141	119	1,157	122	1,176	126	1,196	131	1,216	135	1,239	140	1,261	145
Sumner	110	M	34	9	34	9	34	9	34	9	34	9	35	10	35	10	36	10	36	10	37	11
Tennyson	33	M	189	6	192	6	194	6	195	6	197	6	199	7	202	7	205	7	208	7	211	7
Wecker Road	33	M	132	21	134	22	135	23	136	23	137	23	138	24	140	24	142	25	145	26	147	27
Woolooga (Gympie)	132	M	234	-42	236	-42	236	-42	235	-42	235	-42	236	-42	237	-42	238	-43	240	-43	243	-44

Table C.9 Energex connection point forecast of summer low growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Abermain	110	M	97	2	98	2	99	2	99	2	100	2	100	2	101	2	101	2	102	2	103	2
Abermain	33	M	107	15	109	15	115	16	116	16	117	17	118	17	119	17	121	17	123	18	126	18
Alger	33	M	75	18	76	18	77	19	77	19	77	19	77	19	77	19	77	19	77	19	77	19
Ashgrove West	110	M	114	4	115	4	115	4	114	4	113	4	112	4	112	4	112	4	112	4	112	4
Ashgrove West	33	M	77	11	78	11	78	12	78	12	78	11	78	11	79	12	79	12	80	12	80	12
Belmont	110	M	389	55	393	56	395	57	395	57	394	56	394	56	394	56	396	57	398	58	401	59
Blackstone (Raceview)	110	M	117	12	119	12	120	12	122	12	123	13	124	13	126	13	128	13	131	14	134	14
Bundamba	110	M	36	13	37	13	37	13	37	13	37	13	37	13	37	13	37	13	37	13	37	13
Goodna	33	M	146	-4	154	-4	157	-5	158	-5	160	-5	162	-5	163	-5	165	-6	168	-6	170	-6
Loganlea	110	M	449	132	459	137	466	141	471	144	475	146	479	148	484	151	488	153	493	156	499	159
Loganlea	33	M	103	0	105	0	106	0	106	0	106	-1	106	-1	107	-1	108	-1	109	-1	110	-1
Middle Ridge (Postmans Ridge and Gatton)	110	M	99	-8	100	-8	101	-8	101	-8	101	-8	101	-8	101	-8	101	-8	101	-8	101	-8
Molendinar	110	GC	575	-46	587	-47	595	-48	599	-48	603	-48	607	-49	611	-49	616	-49	622	-50	628	-50
Mudgeeraba	110	GC	349	64	353	66	355	67	356	67	356	67	356	67	358	67	359	68	362	69	365	69
Mudgeeraba	33	GC	24	5	24	5	25	5	25	5	25	5	25	5	25	5	26	5	26	5	27	6
Murarrie	110	M	517	64	524	65	526	65	525	65	523	65	522	65	521	65	521	65	521	65	523	65
Palmwoods	110 and 132	M	451	92	462	94	470	96	474	97	479	98	483	99	487	100	492	101	498	103	504	104
Redbank Plains	11	M	32	2	33	2	34	2	34	2	34	2	35	2	35	2	35	2	36	2	36	2
Richlands	33	M	136	30	137	31	138	31	137	31	137	31	137	30	137	30	137	30	137	31	138	31
Rocklea	110	M	144	40	147	41	148	42	148	42	148	42	148	42	149	43	150	43	151	44	152	44

Table C.9 Energex connection point forecast of summer low growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	67	5	68	5	69	6	68	6	68	6	68	6	68	6	69	6	69	6	70	6
South Pine	110	M	1,072	104	1,094	108	1,115	113	1,122	115	1,130	116	1,137	118	1,144	120	1,153	121	1,165	124	1,177	127
Sumner	110	M	33	9	34	9	34	9	34	9	33	9	33	9	33	9	33	9	33	9	34	9
Tennyson	33	M	188	6	190	6	192	6	192	6	192	6	192	6	192	6	193	6	195	6	196	6
Wecker Road	33	M	131	21	133	22	133	22	134	22	133	22	133	22	134	22	134	22	135	23	136	23
Woolooga (Gympie)	132	M	233	-42	235	-42	234	-42	232	-41	231	-41	230	-41	229	-41	228	-41	229	-41	230	-41

Table C.10 Energex connection point forecast of winter high growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34			
			MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r		
Abermain	110	M	28	9	29	8	30	8	30	8	31	8	31	8	32	8	32	8	33	8	34	8	35	8
Abermain	33	M	75	9	83	11	84	11	87	11	89	12	91	12	94	13	94	13	97	13	100	14	104	14
Algerter	33	M	59	11	61	11	62	12	63	13	65	13	66	14	68	15	68	15	69	15	71	16	72	17
Ashgrove West	110	M	93	2	95	3	95	3	95	3	96	3	97	3	99	3	99	3	100	3	101	3	103	3
Ashgrove West	33	M	59	4	62	5	63	6	65	6	67	7	69	8	71	8	71	8	73	9	74	10	75	10
Belmont	110	M	292	21	301	24	308	26	314	29	321	31	329	34	337	37	346	40	346	40	353	42	360	45
Blackstone (Raceview)	110	M	81	7	84	7	86	8	88	8	91	8	94	9	97	9	97	9	100	10	104	10	108	11
Bundamba	110	M	29	10	30	10	31	10	31	11	32	11	32	11	33	11	33	11	33	11	34	12	34	12
Goodna	33	M	122	-2	127	-2	130	-2	133	-2	136	-3	140	-3	143	-3	143	-3	147	-4	151	-4	154	-4
Loganlea	110	M	363	85	376	92	385	97	394	102	404	107	415	113	425	119	436	125	436	125	448	131	459	137
Loganlea	33	M	86	3	89	2	90	2	92	2	94	1	97	1	99	1	99	1	102	0	104	0	107	-1
Middle Ridge (Postmans Ridge and Gattton)	110	M	101	-8	104	-7	105	-7	106	-7	107	-7	109	-7	110	-6	110	-6	112	-6	113	-6	115	-6
Molendinar	110	GC	461	-36	477	-37	489	-38	501	-39	513	-40	526	-41	539	-43	552	-44	552	-44	565	-45	578	-46
Mudgeeraba	110	GC	274	42	283	44	288	46	294	48	301	50	307	52	314	54	320	56	320	56	328	58	334	60
Mudgeeraba	33	GC	21	3	21	4	22	4	23	4	23	4	24	4	25	5	25	5	25	5	26	5	27	6
Murarrie	110	M	392	46	403	47	409	48	416	49	422	50	429	51	435	52	442	53	442	53	448	54	453	55
Palmwoods	110 and 132	M	372	74	385	77	394	79	404	81	415	84	426	86	438	89	450	92	450	92	462	94	475	97
Redbank Plains	11	M	22	0	23	0	23	0	24	1	25	1	26	1	26	1	26	1	27	1	28	1	29	1
Richlands	33	M	112	21	113	22	114	22	114	22	115	22	117	23	119	24	121	24	121	24	122	25	124	26
Rocklea	110	M	120	26	123	28	124	29	126	30	128	31	131	33	134	34	136	35	136	35	139	37	141	38

Table C.10 Energex connection point forecast of winter high growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	52	1	54	2	55	2	56	3	58	3	60	3	61	4	63	4	65	5	67	5
South Pine	110	M	832	51	868	58	888	63	911	68	935	73	961	79	987	85	1,014	91	1,041	97	1,067	102
Sumner	110	M	24	5	25	5	26	5	26	6	27	6	28	6	29	7	29	7	30	7	31	8
Tennyson	33	M	153	5	159	5	163	5	167	6	171	6	176	6	180	6	184	6	188	6	191	6
Wecker Road	33	M	98	9	101	10	104	11	106	12	109	13	112	14	115	15	118	16	121	17	123	18
Woolooga (Gympie)	132	M	229	-41	233	-42	236	-42	239	-43	242	-44	246	-44	249	-45	253	-46	258	-47	261	-48

Table C.11 Energex connection point forecast of winter medium growth native maximum demand

Connection point	Voltage Zone (kV)	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34		
		MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	MW	MVAf	
Abermain	110	M	28	9	28	9	29	9	29	8	29	8	30	8	30	8	31	8	32	8	32	8
Abermain	33	M	75	9	81	10	82	11	83	11	85	11	86	11	88	12	90	12	93	12	96	13
Alger	33	M	58	10	59	11	60	11	60	11	61	11	62	12	63	12	64	13	65	13	66	14
Ashgrove West	110	M	92	2	93	3	93	2	92	2	93	2	93	3	94	3	94	3	95	3	96	3
Ashgrove West	33	M	58	3	60	4	60	4	61	4	62	5	63	5	64	6	65	6	67	7	68	7
Belmont	110	M	289	20	294	22	297	23	300	24	303	25	307	26	312	28	317	30	323	32	329	34
Blackstone (Raceview)	110	M	80	7	82	7	84	7	85	8	87	8	89	8	91	8	94	9	97	9	100	10
Bundamba	110	M	29	10	30	10	30	10	30	10	30	10	31	10	31	10	31	11	32	11	32	11
Goodna	33	M	121	-2	125	-2	126	-2	129	-2	131	-2	133	-2	136	-3	138	-3	141	-3	144	-3
Loganlea	110	M	359	83	368	88	374	91	379	94	385	97	392	101	399	105	407	109	415	113	424	118
Loganlea	33	M	85	3	87	3	88	3	89	2	90	2	92	2	93	2	95	1	97	1	99	1
Middle Ridge (Postmans Ridge and Gattton)	110	M	100	-8	102	-8	102	-8	103	-7	103	-7	104	-7	104	-7	105	-7	106	-7	107	-7
Molendinar	110	GC	456	-35	467	-36	474	-37	481	-37	488	-38	497	-39	505	-40	515	-40	524	-41	534	-42
Mudgeeraba	110	GC	270	40	275	42	278	43	282	44	285	45	289	46	294	48	298	49	303	50	308	52
Mudgeeraba	33	GC	21	3	21	3	21	3	22	4	22	4	22	4	23	4	23	4	24	5	25	5
Murarrie	110	M	387	45	394	46	397	46	399	47	401	47	405	48	408	48	412	49	416	49	420	50
Palmwoods	110 and 132	M	368	73	377	75	383	76	389	78	396	79	404	81	412	83	421	85	430	87	439	89
Redbank Plains	11	M	22	0	22	0	22	0	23	0	23	0	24	0	25	1	25	1	26	1	27	1
Richlands	33	M	111	21	111	21	111	21	111	21	110	21	111	21	112	21	113	21	114	22	115	22
Rocklea	110	M	118	26	121	27	122	27	122	28	123	28	125	29	126	30	128	31	129	32	131	33

Table C.11 Energex connection point forecast of winter medium growth native maximum demand (*continued*)

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	51	1	52	1	53	2	53	2	54	2	55	2	56	2	57	3	59	3	60	3
South Pine	110	M	821	48	847	54	858	56	870	59	884	62	900	65	916	69	935	73	955	78	976	82
Sumner	110	M	24	5	24	5	24	5	25	5	25	5	25	5	26	5	26	6	27	6	28	6
Tennyson	33	M	152	5	155	5	156	5	158	5	160	5	163	5	166	6	169	6	172	6	175	6
Wecker Road	33	M	96	8	98	9	99	9	100	10	101	10	103	11	105	11	107	12	109	13	111	14
Woolooga (Gympie)	132	M	226	-40	229	-41	229	-41	230	-41	232	-41	233	-42	235	-42	237	-42	239	-43	242	-44

Table C.12 Energex connection point forecast of winter low growth native maximum demand

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Abermain	110	M	28	9	28	9	28	9	28	9	29	9	29	9	29	8	29	8	30	8	30	8
Abermain	33	M	74	9	80	10	81	10	81	10	82	11	83	11	84	11	85	11	87	11	89	12
Alger	33	M	58	10	59	10	59	11	59	11	59	11	59	11	59	11	60	11	60	11	61	11
Ashgrove West	110	M	92	2	92	2	92	2	91	2	91	2	91	2	91	2	91	2	91	2	91	2
Ashgrove West	33	M	58	3	59	4	59	4	59	4	59	4	60	4	60	4	60	4	61	5	62	5
Belmont	110	M	287	19	291	21	293	21	294	22	294	22	295	22	296	22	298	23	300	24	303	25
Blackstone (Raceview)	110	M	80	7	81	7	83	7	84	7	85	8	86	8	88	8	89	8	92	8	94	9
Bundamba	110	M	29	10	29	10	29	10	29	10	30	10	30	10	30	10	30	10	30	10	30	10
Goodna	33	M	120	-2	123	-2	125	-2	126	-2	128	-2	129	-2	131	-2	132	-2	134	-3	136	-3
Loganlea	110	M	357	82	365	86	369	88	373	90	376	92	380	94	383	96	386	98	391	100	396	103
Loganlea	33	M	85	3	86	3	87	3	87	3	88	3	88	2	89	2	90	2	91	2	92	2
Middle Ridge (Postmans Ridge and Gattton)	110	M	100	-8	101	-8	101	-8	101	-8	101	-8	101	-8	101	-8	102	-8	102	-8	102	-8
Molendinar	110	GC	453	-35	463	-36	468	-36	472	-37	476	-37	479	-37	483	-38	488	-38	494	-39	499	-39
Mudgeeraba	110	GC	269	40	273	41	275	42	276	42	277	42	278	43	278	43	280	44	283	44	286	45
Mudgeeraba	33	GC	21	3	21	3	21	3	21	3	21	3	22	4	22	4	22	4	22	4	23	4
Murarrie	110	M	386	45	392	46	393	46	393	46	393	46	393	46	393	46	394	46	395	46	397	46
Palmwoods	110 and 132	M	365	72	373	74	377	75	381	76	384	77	388	78	392	78	396	79	401	81	407	82
Redbank Plains	11	M	21	0	22	0	22	0	22	0	23	0	23	0	23	0	24	0	24	1	25	1
Richlands	33	M	110	20	111	21	110	20	109	20	109	20	108	20	108	20	108	20	108	20	109	20
Rocklea	110	M	118	25	120	26	121	27	121	27	121	27	121	27	122	27	122	28	123	28	124	29

Table C.12 Energex connection point forecast of winter low growth native maximum demand *(continued)*

Connection point	Voltage (kV)	Zone	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
			MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Runcorn	33	M	51	1	52	1	52	1	52	1	52	1	52	1	53	2	53	2	53	2	54	2
South Pine	110	M	818	47	841	52	848	54	854	55	860	57	866	58	872	59	881	61	891	64	903	66
Sumner	110	M	24	5	24	5	24	5	24	5	24	4	24	4	24	5	24	5	24	5	25	5
Tennyson	33	M	150	5	152	5	153	5	153	5	153	5	154	5	155	5	156	5	158	5	160	5
Wecker Road	33	M	95	8	97	8	97	9	98	9	98	9	98	9	99	9	99	9	101	10	102	10
Woolooga (Gympie)	132	M	226	-40	227	-40	227	-40	226	-40	226	-40	226	-40	225	-40	225	-40	226	-40	227	-40

Table C.13 Sum of individual summer high growth native peak forecast demands for the transmission connected loads

Connection point (1)	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Transmission connected industrial loads (2)	1,179	489	1,179	481	1,264	483	1,276	487	1,359	487	1,482	524	1,799	604	1,866	626	1,935	648	2,240	724
Transmission connected mining loads (3)	72	73	80	78	82	80	87	83	98	90	98	90	96	88	96	88	96	88	96	88
Transmission connected CSG loads (4)	906	262	896	261	872	269	864	270	928	268	948	260	939	254	922	251	892	254	836	247
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Onooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.

Table C.14 Sum of individual summer medium growth native peak forecast demands for the transmission connected loads

Connection point (1)	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Transmission connected industrial loads (2)	1,179	489	1,179	481	1,254	480	1,260	482	1,340	481	1,455	514	1,468	518	1,468	518	1,822	612	1,822	612
Transmission connected mining loads (3)	72	73	79	77	81	79	83	81	88	84	91	86	89	83	89	83	89	83	89	83
Transmission connected CSG loads (4)	899	260	890	259	832	255	810	253	865	249	873	235	855	229	837	223	805	226	757	228
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Onooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Daringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.

Table C.15 Sum of individual summer low growth native peak forecast demands for the transmission connected loads

Connection point (1)	2024/25		2025/26		2026/27		2027/28		2028/29		2029/30		2030/31		2031/32		2032/33		2033/34	
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Transmission connected industrial loads (2)	1,179	466	1,179	458	1,179	438	1,185	440	1,205	446	1,302	480	1,302	480	1,302	480	1,302	480	1,302	480
Transmission connected mining loads (3)	72	73	72	73	81	79	81	79	83	81	88	84	89	83	89	83	89	83	89	83
Transmission connected CSG loads (4)	885	260	872	254	738	221	699	218	701	215	762	214	740	208	697	200	663	197	581	184
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bullii zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Onnooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.

Table C.16 Sum of individual winter high growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034 (7)	
	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r	MW	MVA _r
Transmission connected industrial loads (2)	1,226	478	1,311	480	1,323	484	1,386	501	1,506	537	1,826	619	1,893	640	1,962	662	2,267	739	2,765	864
Transmission connected mining loads (3)	80	78	82	80	87	83	101	90	101	90	99	88	99	88	99	88	99	88	99	88
Transmission connected CSG loads (4)	903	261	891	270	859	271	916	269	940	261	946	256	929	253	911	255	881	254	854	253
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVA_r) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Oonooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Duaringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVA_r) coincident peak is significantly lower.
- (7) Connection point loads for winter 2031 have been extrapolated.

Table C.17 Sum of individual winter medium growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034 (7)			
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR		
Transmission connected industrial loads (2)	1,226	477	1,301	476	1,307	478	1,367	495	1,479	527	1,492	531	1,492	531	1,492	531	1,846	625	1,846	625	1,846	625
Transmission connected mining loads (3)	79	77	81	79	83	81	91	84	93	86	91	83	91	83	91	83	91	83	91	83	91	83
Transmission connected CSG loads (4)	898	260	843	255	816	253	853	250	865	237	865	230	845	224	824	220	788	229	755	755	242	242
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bulli zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Onooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Daringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.
- (7) Connection point loads for winter 2031 have been extrapolated.

Table C.18 Sum of individual winter low growth native peak forecast demands for the transmission connected loads

Connection point (1)	2025		2026		2027		2028		2029		2030		2031		2032		2033		2034 (7)	
	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
Transmission connected industrial loads (2)	1,224	475	1,224	455	1,230	457	1,250	463	1,255	465	1,330	491	1,330	491	1,330	491	1,330	491	1,330	491
Transmission connected mining loads (3)	72	73	81	79	81	79	83	81	91	84	91	83	91	83	91	83	91	83	91	83
Transmission connected CSG loads (4)	888	258	778	227	709	217	694	216	734	217	747	209	729	210	685	198	640	198	599	201
Transmission connected rail supply substations (5)(6)	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167	112	167

Notes:

- (1) Transmission connected customers supply 10-year active power (MW) forecasts. The reactive power (MVAR) forecasts are calculated based on historical power factors at each connection point.
- (2) Industrial loads include:
Ross zone – Invicta Mill, Queensland Nickel and Sun Metals.
Gladstone zone – BSL, RTA and QAL.
- (3) Mining loads include:
North zone – Eagle Downs, Goonyella Riverside and North Goonyella.
- (4) CSG loads include:
Surat zone – Columboola, Orana and Wandoan South.
Bullii zone – Kumberilla Park.
- (5) Rail supply substations include:
North zone – Bolingbroke, Coppabella, Mackay Ports, Mindi, Mt McLaren, Onnooie, Peak Downs, Wandoo and Wotonga.
Central West zone – Blackwater, Bluff, Daringa, Grantleigh, Gregory, Norwich Park, Raglan and Wycarbah.
Gladstone zone – Callemondah.
- (6) There are a number of connection points that supply the Aurizon rail network and these individual connection point peaks have been summated. Due to the load diversity between the connection points, the real and reactive power (MW and MVAR) coincident peak is significantly lower.
- (7) Connection point loads for winter 2031 have been extrapolated.